Kolbe Academy
Home School

Online Chemistry Access User's Manual
And
Chemistry Answer Key

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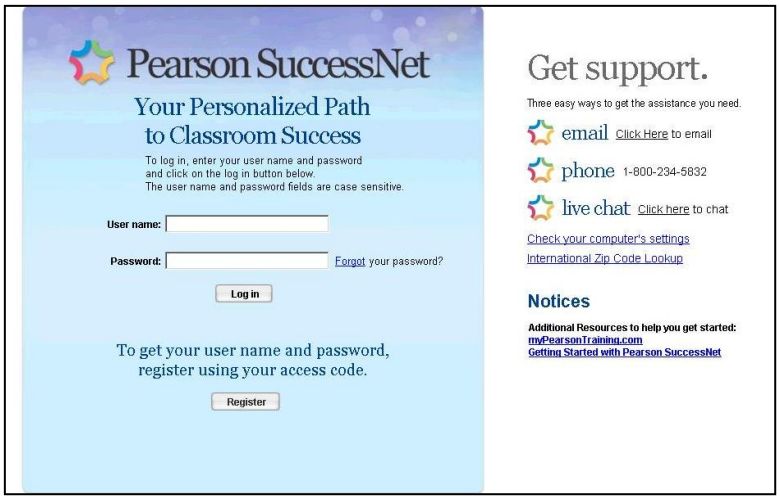
I. Using the Pearson/Prentice Hall Successnet Online Access

All students are encouraged to take the time to go through the user's manual to help them utilize the various aids and reinforcement tools available on the Interactive Textbook.

A. Creating a student user name and password.

1. To receive this login name and password, the Online Access Code Release form must be signed and sent to Kolbe Academy. A copy of the Online Access Code Release form is located at the front of this booklet. Forms can be emailed to homeinfo@kolbe.org, faxed to 707-255-1581, or mailed to 1600 F St, Napa, CA, 94559. Once received, the online access code will be emailed to your promptly.

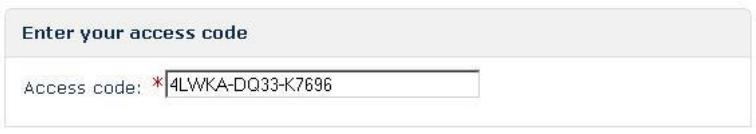
2. Go to the following website: www.pearsonsuccessnet.com. A page should pull up that looks like:

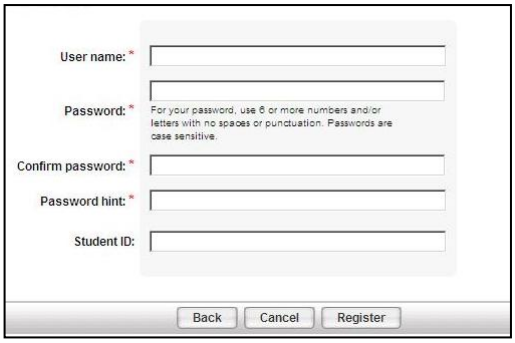

Pearson SuccessNet
Your Personalized Path to Classroom Success
To log in, enter your user name and password and click on the log in button below.
The user name and password fields are case sensitive.
User name:
Password:
Forgot your password?
Log in
To get your user name and password, register using your access code.
Register
Get support.
Three easy ways to get the assistance you need.
email Click Here to email
phone 1-800-234-5832
live chat Click here to chat
Check your computer's settings
International Zip Code Lookup
Notices
Additional Resources to help you get started:
myPearsonTraining.com
Getting Started with Pearson SuccessNet

3. Click "Register."

4. Enter the access code that you received from Kolbe Academy and click "Next." Please be aware that the class code changes every school year usually during July, so if you had a sibling in a previous year's course, you will need to obtain a new class code to create your own user login. This does **not** cost extra, but you will need to contact Kolbe Academy for the new one.

Please note that the sample class access code entered here is NOT a valid class access code.





5. The screen at right will appear, prompting you to create a user name and password especially for you. Create a name, making sure it is something you will remember, and create your password. **You do not have a student ID number with Kolbe Academy, so DO NOT enter anything into this space.** Click "Register" when you have completed filling in the specified information. If you have successfully created a **unique** user ID and password, you will receive a confirmation screen telling you that you have successfully registered, and you will automatically be brought to the login screen.

B. Logging In

1. Go to the following website: www.pearsonsuccessnet.com.

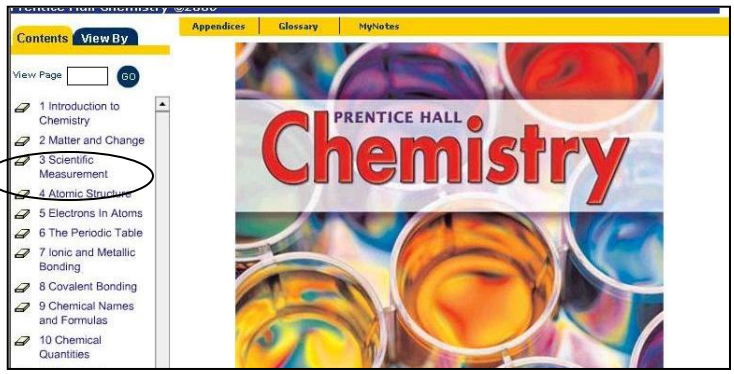
2. Enter the Login name and Password into the User ID and Password boxes on the screen that you have just created, and click on the blue button that says "Log in."

C. Utilizing the Interactive Text (I-Text)

1. Student Resources. The following screen will appear with the books that you have access to. Only the book that corresponds with the course you are taking will appear.

There are many links to student resources listed on this page.

Most importantly, the link to the Interactive Textbook for the Prentice Hall Chemistry © 2005 is here. **Click on this link to enter your Interactive Textbook**.



2. The Interactive Text. The page at right will load with your Interactive Text book. Click on the Chapter Title for which you are interested in. For example, click on the "Chapter 3 Scientific Measurement" link. This will result in a drop down menu for all of the contents in Chapter 3. The drop down menu will list the entire contents of that chapter (See next page). (See next page for graphic).

Use the blue arrows ◀ ▶ in the top right hand corner of the page to scroll through the Interactive textbook.

3. Features. There are many features within the text that can aid a student in studying the material.
A. Reading and Study Workbooks. To bring up a **guided reading and study worksheet**, first scroll down the first page of the section, and then click on the button at the bottom of the page:

A PDF file of this page will appear. Utilize these pages to help you take notes as you read throughout the textbook. They are typically available at the beginning of EVERY SECTION of every chapter in the Interactive Textbook. You will need Adobe Acrobat reader to view these pages.

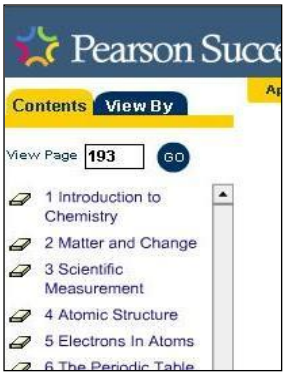
B. Audio versions of Vocabulary. To bring up the audio versions of the vocabulary words, simply click on the vocabulary word that is listed within the section. You will need Quick Time and speakers on your computer to listen to the definition.

C. Chapter Study Guides. In the table of contents, click on the corresponding Chapter that you are interested in finding the study guide. After the contents of the chapter dropdown, you will see a link for the Chapter Study Guide. The Study Guide includes Review of Key Concepts, Vocabulary Review Worksheets, and an Interactive Concept Map.

Although answers are not available for all of the material in the Interactive Text, these tools can help the student to further review the material without the pressure of grading.

D. Interactive Simulations and Animations using ChemASAP. Several multi-media applications are available with the interactive text. To access a list of the

interactive simulations and animations, click on the "**view by**" heading to get a listing of the contents for the entire text by application. All interactive applications are listed by chapter. The animations and simulations will also be prompted in the margin of your textbook. For example, Animation 8 is prompted in the margin of your textbook on page 194 with a graphic that says "Interactive textbook; **Animation 8** Take an atomic-level look at the formation of KCL; with ChemASAP." This indicates that you can go to the same page in your interactive textbook to view the Animation. You can easily jump to this page by entering the page number into the View Page box at the top of the Table of Contents as show at right.



When the page with the animation or simulation comes up, simply scroll down until you see the ChemASAP button.

Click on this button to bring up the animation or simulation.

3. ChemASAP Problem Solving Tutorials. The Problem Solving Tutorials will be prompted within the practice problem sections of your textbook. (They are also prompted in this answer key for the student textbook). For example, Problem-Solving 7.12 is prompted on page 196 with a graphic that says "Interactive textbook; **Problem-Solving 7.12** Solve problem 12 with the help of an interactive guided tutorial; with ChemASAP." This indicates that you can go to the same page in your interactive textbook to use the tutorial. You can easily jump to this page by entering the page number into the View Page box at the top of the Table of Contents as show above.

When the page pops up, simply scroll down until you see the ChemASAP button.

Click on this button to bring up the tutorial.

Using Kolbe Academy's course plan, you will know when to expect these ChemASAP application to appear. For example, in Week 9, the honors Chemistry students can expect to find the prompts for Animation 8 and Simulation 5 to appear in the assigned coursework for the week, as well as the Section Assessments for 7.2 and 7.3 (see further information on accessing the Section Assessments in part E below). Further, the questions assigned next to the "Assessment" heading in the course plan that have an asterisk (*) behind it, indicate that the problem has an interactive tutorial available on the Interactive Textbook using the ChemASAP application.

WEEK 9				
	Regular Chemistry		**Honors Chemistry**	
Reading	Chapter 7	Section 7.1	Chapter 7	Section 7.2 – 7.3
Assessment	Quiz 1 – Provided after the course plan **Chapter 7**: 1*, 2, 3, 7, 8, 9, 10, 11, 31, 32, 34, 35, 37, 40, 55, 56, 59, 60, 63, 65, 73		**Chapter 7**: 12*, 13, 18, 19, 20, 22, 24, 26, 28, 41, 45, 48, 66, 67, 69, 75, 77, 79, 82	
ChemASAP	Section assessment 7.1		Animation 8, Simulation 5 Section assessment 7.2, 7.3	

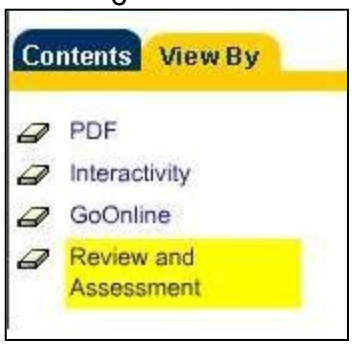
E. Assessment. There are several types of assessment within the textbook and assigned within the Kolbe Academy course plan.

1. **Reading Checkpoints.** To utilize the Reading Checkpoints, go to the same page in the Interactive Textbook which corresponds to a reading checkpoint that appears in your student textbook. You will see the following icon in the Interactive Textbook:

   i.

   Click on this icon to bring up a self-grading multiple choice question that assesses your understanding of the material you have just read.

2. **Section Assessments.** These multiple choice Section Assessments correspond with the section assessment questions you find at the e The Assessments are multiple choice questions that correspond with the section in the textbook and that are self-graded using ChemASAP. For example, on page 193 in your textbook, you should see an indicator at the end of the Section 7.1 Assessment that says "Interactive Textbook; **Assessment 7.1** Test yourself on the concepts in Section 7.1; with ChemASAP." This indicates that you can go to the same page in your interactive textbook to take this assessment. You can easily jump to this page by entering the page number into the View Page box in the Table of Contents and clicking on GO. Or, you can click on the "view by" tab on the Table of Contents and find the Section Assessments listed under the "Review and Assessment" heading.

   When the section assessment page appears, simply scroll down until you see the

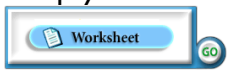
   button. Click on the button to bring up the multiple choice assessment questions. For a "hint" on where this question was taken from within the text, click on the

   button listed next to the question. The hint button will bring up the part of the text that the question was taken from.

   Any place that these

   buttons appear in the interactive text, they can be clicked on to bring you to appropriate portion in the textbook where that answer to the question was addressed.

3. **Chapter Assessment.** The Chapter Assessments correspond with the end of the chapter assessment questions you find within the student text. While none of the questions are self-grading, all of the questions have

   buttons to help you find where in the text that question is addressed. There is also an additional 

   available for extra practice. There are several ways to access the Chapter Assessments. The page number in which Chapter Assessment appears on in the student text can be entered into the "View Page" box and clicking on "Go." Or, in the table of contents, click on "**view by**" to get a listing of the contents for the entire text by application and click on "Review and Assessment."

4. **Standardized Test Prep.** As a high school student, you may be anxious about taking standardized tests. There is a standardized test preparation in every chapter. You can use the online textbook to help you since there are HINT buttons associated with every question, although they also appear in your textbook at the end of the chapter. Answers are provided in this Chemistry Answer Key. There are several ways to access the Standardized Test Preparations. The page number in which the Standardized Test Preparation appears on in the student text can be entered into the "View Page" box and clicking on "Go." Or, in the table of contents, click on "**view by**" to get a listing of the contents for the entire text by application and click on "Review and Assessment."

F. My Notes. You may use the "My Notes" feature, located in the upper tool bar to add in any of your own notes for personal use. **MyNotes**

III. Using other Online Support materials (no login required)

A. Go Online

1. Within the course plan, there are online self-assessments assigned that can be found at www.phschool.com.

WEEK 1		
	Regular Chemistry	**Honors Chemistry**
Go Online	Chap 1: Self-Assess (Web Code: cda-1010)	Chap 1: Self-Assess (Web Code: cda-1010)

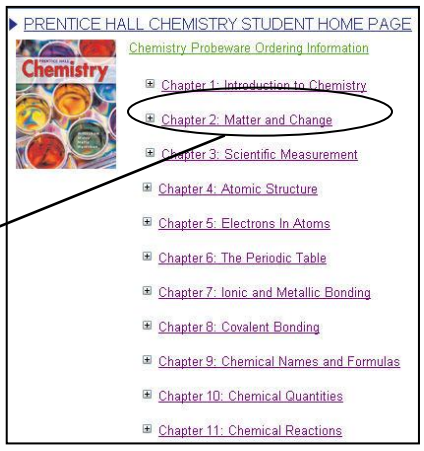
To gain access to these self-assessments, go to the following website: www.phschool.com.

Enter the webcode noted in the course plan that corresponds with the self-assessment you want to do into the appropriate space on the website.

2. You may click on the link at the top that says "Prentice Hall Chemistry Student Home Page". This will bring you the site that lists all the free resources for the Chemistry book.

Each Chapter name has a drop down list that can be revealed by clicking on the Chapter's title. For example, click on Chapter 3. A list of components will drop down.

- Chapter 3: Scientific Measurement
  - Links on Temperature Scales
  - Links on Density
  - Careers in Chemistry: Analytical Chemist
  - Self-Assessment


PRENTICE HALL CHEMISTRY STUDENT HOME PAGE
Chemistry Probeware Ordering Information
Chapter 1: Introduction to Chemistry
Chapter 2: Matter and Change
Chapter 3: Scientific Measurement
Chapter 4: Atomic Structure
Chapter 5: Electrons In Atoms
Chapter 6: The Periodic Table
Chapter 7: Ionic and Metallic Bonding
Chapter 8: Covalent Bonding
Chapter 9: Chemical Names and Formulas
Chapter 10: Chemical Quantities
Chapter 11: Chemical Reactions

Chemistry Answer Key

The following pages include answers to questions assigned within the scope of the Kolbe Academy course plans. Additional selected answers are available in the back of the student text.

Chapter 1

Quick Lab (page 23)

1. There should not be a difference in the ability to make bubbles between cups 1 and 2.
2. There should not have been any bubbles formed in cup 3.
3. Salt prevents any bubbles from forming while sugar has no effect.
4. Answers very. Samples answer: Examine the amount of bubble production when the temperature or dilution of the bubble mixture is changed (diluting the mixture actually reverses the effect that salt has).

1.3 Section Assessment (page 24)

21. A hypothesis will guide the design and purpose of the experiment.
22. Other scientists can perform the same experiment and compare results.
25. It is a law because it offers no explanation.

Small Scale Lab (page 26)

Question: When should safety goggles be worn?
Answer: At all times while working with actual laboratory equipment. (It's okay not to wear safety goggles when using the Virtual Lab!)
Question: What should you do if glassware breaks?
Answer: Tell an adult who is supervising and dispose via their instruction.
Question: If you accidentally spill water near electrical equipment, what should you do?
Answer: Stand back, notify the supervising adult, and warn others around you not to go near the standing water.
Question: What precautions should you take when working near an open flame?
Answer: Tie loose hair and clothing back, do not reach across a lighted burner, and keep flammable materials away from the lit flame.
Question: After you clean up your work area, what should you do before leaving the laboratory?
Answer: Always wash your hands with soap and water.
Question: Is it always appropriate to dispose of chemicals by flushing them down the sink? Explain.
Answer: No. Some chemicals pose a problem for corroding pipes and must be discarded elsewhere.

Practice Problems

26. 24 short blocks
27. 24 minutes (tutorial available using ChemASAP)
28. The morning errands cannot vary, but the order of the afternoon errands can vary as long as Manny gets his haircut before 3 pm.
29. He could run errands during the lunch hour or extend his hours. (tutorial available using ChemASAP)

1.4 Section Assessment (page 32)

33. a) known: 3600 s = 1 hour; unknown: ? s = 1 day; b) 24 h = 1 day; c) 3600 s/h x 24 h/day = 86,400 s/day; d) The answer is expected to be significantly higher than 3600 s, and the answer has the correct units,